

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-272705

(43)Date of publication of application : 24.09.2002

(51)Int.Cl. A61B 5/055
G01R 33/3415
G01R 33/48

(21)Application number : 2002-033293 (71)Applicant : SIEMENS AG

(22)Date of filing : 12.02.2002 (72)Inventor : IANMIN WANG

(30)Priority

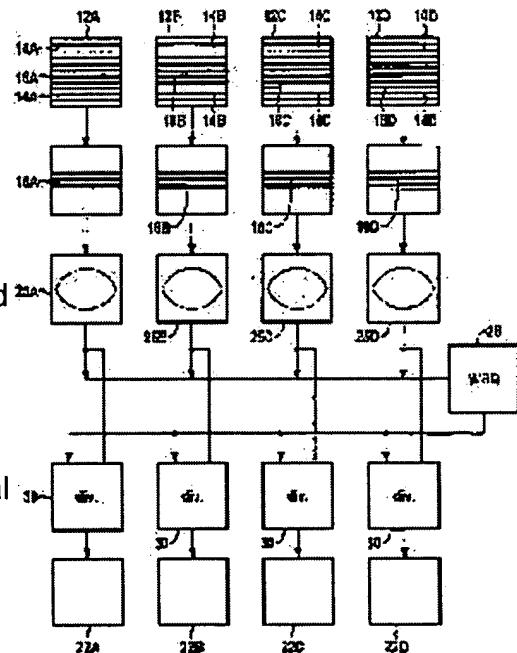
Priority number : 2001 10106830 Priority date : 14.02.2001 Priority country : DE

(54) MAGNETIC RESONANCE IMAGE FORMATION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To simply obtain a sensitivity profile of an individual antenna in an antenna array.

SOLUTION: A total image 26 is obtained by sending a high frequency excitation pulse and a gradient magnetic field pulse to an imaging space, generating spatial-coded magnetic resonance signals, receiving the magnetic resonance signals by receiving antennas 6A to 6D, forming k space data records 12A to 12D having outside space lines 14A to 14D and more tightly arranged central k space lines 16A to 16D from the reception signal of each of the receiving antennas 6A to 6D, reconstructing one intermediate images 20A to 20D from each of the k space data records 12A to 12D, determining sensitivity profiles 22A to 22D from the central k space data line 16A to 16D, and combining intermediate images 20A to 20D in connection with the sensitivity profiles 22A to 22D.



BEST AVAILABLE COPY

LEGAL STATUS

[Date of request for examination] 03.02.2005

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office